

Product Evaluation Coordinator
Colorado Department of Transportation
4670 North Holly Street, Unit A
Denver, Colorado 80216

Material code:

515.03.01.00

Material code description full name:

Sealer, Concrete

PART 1

Product name: TK-590-40 VOC	Product category: Waterproofing/PCCP Sealer/Alky-alkoxy Silane
Product Representative (name & address): Attn: Andrew Piccarelli TK Products 11400 West 47th Street Minnetonka, MN 55343 Phone: (352) 457-9035 E-mail: Apiccarelli@fenixspc.com	Manufacturer (name & address): Attn: Michael Grivna TK Products 11400 West 47th Street Minnetonka, MN 55343 Phone: (952) 641-0740 E-mail: mgrivna@fenixspc.com
Web-site address: tkproducts.com	Web-site address: tkproducts.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)

TK-TRI-SILANE 590-40 VOC is a one component, deep penetrating, reactive water repellent consisting of a high silane active content in mineral spirits for protecting concrete and masonry. Through the process of hydrolysis, TK-TRI-SILANE 590-40 VOC chemically bonds with the surface to form a protective barrier that is far superior to traditional penetrating water repellents. Suitable for vertical or horizontal use on exterior above grade concrete, CMU, masonry or cementitious surfaces. Applications include parking structures, bridge decks, piers and pilings. TK-590-40 VOC is supplied at a low VOC that complies with OTC Phase II regulations which will be implemented in Colorado 5-1-20.

Restrictions, (installation and/or use):

Concrete must cure 28 days, do not use if rain is expected within 4 hours, substrate and ambient temperature must be between 20°-90°F.

Use of the product, (be specific to CDOT highway activities only):

Bridge decks, median barriers, parking structures, ramps

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value than other manufacturer's products):

Forms a chemical, and permanent, bond with the substrate to provide ultimate protection against damage due to water and deicing chemical intrusion, acid rain, freeze/thaw exposure, airborne dirt, smog, industrial fumes and most other atmospheric chemicals. Penetrates up to 1/4" and eliminates surface moisture which can lead to spalling, freeze damage and rebar corrosion. The coating is colorless, non-staining and non-yellowing.

Specifications: (listing those applicable is required)

☒ CDOT : 515.03

☐ ASTM :

☐ AASHTO:

☐ FHWA :

☐ other :

☒ Certificate of Compliance (COC) provided

☐ Certificate of Verification (COV) provided for select categories ONLY

Product Testing: (National/independent laboratories or universities with Report Date.) **Certified Test Report (CTR)** provided to validate all claims.

☐ NTPEP-AASHTO:

☐ FHWA :

☐ other :

☐ other :

☐ other :

State DOT Approvals, (current documentation required):

Expiration Date **4 Years / 03-30-2024**

Sample submitted: ☐ yes ☒ no ☐ n/a

Safety Data Sheets (SDS): ☒ yes ☐ no ☐ n/a

Alternate Product Category:

Additional Comments: